Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of servowriting in a disc drive having a head with an offset radially between a read element and a write element, the method comprising steps of:

(a) during an instance of a first sector position passing by the head, reading a servo wedge on a first track with the read element; and

(b) during the instance of the first sector position passing by the head, and not during the reading step (a), writing two or more servo bursts on a second track with the write element in relation to each servo wedge read in step (a).

2. (Original) The method of claim 1 further comprising a step of:

(c) during one revolution of a disc of the disc drive, repeating the reading step (a) and the writing step (b) for all sector positions of the track.

3. (Original) The method of claim 1 further comprising a step of:

(d) prior to the reading step a) and the writing step b), writing, with a Servo Track Writer, servo wedges for a number of adjacent tracks greater than the offset between the read element and write element.

4. (Canceled)

5. (Original) The method of claim 1, further comprising a step of:

(f) recording a head position determined from reading step a) relative to an ideal track center.

6. (Previously presented) The method of claim 1, wherein the reading the servo wedge is performed before writing the two or more servo bursts.

7. (Previously presented) The method of claim 1, wherein the reading the servo wedge is performed after writing one servo burst and before writing another servo burst.

8. (Previously presented) The method of claim 1, wherein the reading the servo wedge is performed after writing the two or more servo bursts.

9. (Previously presented) The method of claim 1, wherein the reading step (a) comprises steps of:

(a)(1) reading the servo wedge before writing the servo bursts; or

(a)(2) reading the servo wedge after writing one of the servo bursts and before writing another servo burst; or

(a)(3) reading the servo wedge after writing the servo bursts; and wherein the method further comprises steps of:

(g) finding a head offset;

(h) performing the reading step (a) and the writing step (b) for all the sector positions on a track according to either the reading step (a)(1), the reading step (a)(2), or the reading step (a)(3);

(i) seeking the head one track;

(j) repeating the performing step (h) and the seeking step (i) a set of repetitions equal to the head offset; and

(k) repeating the finding step (g) through the repeating step (j) for all tracks using the reading step (a)(1), the reading step (a)(2), or the reading step (a)(3) but not the reading step (a)(1), the reading step (a)(2), or the reading step (a)(3) used in an immediately preceding two sets of repetitions.

10. (Currently amended) A disc drive that writes servo wedges, comprising:

one or more discs having a plurality of tracks divided into a plurality of sector positions;

an actuator positioning a head having a read element and a write element separated by an offset radially;

a read/write channel in electrical communication with the read element and the write element, wherein during an instance of a first sector position passing by the head, the read/write channel reads a servo wedge on a first track with the read element, and during the instance of the first sector position passing by the head and not during reading of the first servo wedge, the read/write channel writes two or more servo bursts on a second track with the write element; and

a processor in communication with the read/write channel, the processor being configured for finding a head offset and switching to a different order the reading and writing for each sector position after reading the servo wedge and the writing servo bursts according to a first order for a number of tracks equal to the head offset.

11. (Previously presented) The disc drive of claim 10, wherein during one revolution of the one or more discs of the disc drive, the read/write channel repeats reading the servo wedge and writing the servo bursts for all sector positions of the track.

12. (Original) The disc drive of claim 10, wherein at least three servo wedges are located in each sector position for a number of adjacent tracks greater than the offset between the read element and write element.

13. (Canceled)

14. (Previously presented) The disc drive of claim 10, further comprising memory in electrical communication with the read/write channel, wherein the memory records a head position relative to an ideal track center determined from the read/write channel reading the servo wedge.

15. (Previously presented) The disc drive of claim 10, wherein the read/write channel reads the servo wedge before writing the servo bursts.

16. (Previously presented) The disc drive of claim 10, wherein the read/write channel reads the servo wedge after writing one of the servo bursts and before writing another one of the servo bursts.

17. (Previously presented) The disc drive of claim 10, wherein the read/write channel reads the servo wedge after writing the servo bursts.

18. (Canceled)

19. (Original) A disc drive, comprising:

a head having a read element radially offset from a write element; and

means for writing servo wedges with the head for each sector position of a plurality of tracks of the disc drive.

20. (Previously presented) The disc drive of claim 19, wherein the means for writing is configured to read a servo wedge from a first track and write two or more servo bursts to a second track during an instance of a first sector position passing by the head.

21. (Previously presented) The disc drive of claim 20, wherein the tracks are located on one or more discs and wherein during one revolution of the one or more discs of the disc drive, the means for writing repeats reading the servo wedge and writing the servo bursts for all sector positions of the track.

22. (Original) The disc drive of claim 20, wherein at least three servo wedges are located in each sector position for a number of adjacent tracks greater than the offset between the read element and write element.

23. (Canceled)

24. (Previously presented) The disc drive of claim 20, further comprising a memory in electrical communication with the means for writing, wherein the memory records a head position relative to an ideal track center determined from the means for writing the servo wedges.

25. (Previously presented) The disc drive of claim 20, wherein the disc drive further comprises:

an actuator for positioning the head; and

wherein the means for writing comprises a processor in communication with a read/write channel, the processor being configured to find a head offset from the read/write channel reading the servo wedge, the processor being further configured to cause the actuator to seek the head one track after the servo bursts have been written for all sector positions of a track, and further configured to cause the read/write channel to switch to a different order of reading and writing for each sector position after reading the servo wedge and writing servo bursts according to a first order for a number of tracks equal to the head offset.

26. (Currently amended) A method of servowriting using a head with an offset read element and write element operably disposed adjacent a rotatable storage media, the method comprising:

(a) reading a servo wedge on a first track ~~and in a first sector~~ with the read element; and

(b) writing two or more servo bursts on a second track ~~and in the first sector~~ with the write element ~~during less than one revolution of the media~~ before reading a subsequent servo wedge on the first track with the read element.

27. (Currently amended) An apparatus for writing servo wedges, comprising:

a rotatable data storage media having a plurality of tracks divided into a plurality of sector positions;

a head having an offset read element and write element;

a read/write channel in electrical communication with the head adapted for reading a servo wedge on a first track ~~and in a first sector~~ with the read element, and writing two or more servo bursts on a second track ~~and in the first sector~~ with the write element ~~during less than one revolution of the media~~ before reading a subsequent servo wedge on the first track with the read element.